Statewide Summary of Breath Alcohol Data For Year 2005

The following report summarizes the breath alcohol data obtained from BAC Datamaster breath test instruments in association with DUI arrests performed during the year 2005. Only breath alcohol results of 0.01 g/210L are included in this summary. This summary should be considered an approximation since the accuracy, in several respects, depends on the reliability of the data entered and the successful transmission to the host computer.

The following table shows the average breath alcohol concentration for each age group

Mean Breath	Alcohol	Bv Age	Group
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alc1			
AG	Mean	N	Std. Deviation
13 to 19	.10117	2363	.052496
20 to 29	.13617	13355	.048629
30 to 39	.14774	6542	.053095
40 to 49	.15218	5624	.057659
50 to 59	.15092	2560	.059228
60 to 69	.14317	677	.055260
70 and Over	.13159	188	.042362
Total	.14015	31309	.054181

The following table shows the percent of male and female found within each age category

Age By Gender Crosstabulation

		Ger	nder	
		Female	Male	Total
Age	13 to 19	607	2181	2788
		21.8%	78.2%	100.0%
	20 to 29	3388	13172	16560
		20.5%	79.5%	100.0%
	30 to 39	1913	7070	8983
	•	21.3%	78.7%	100.0%
	40 to 49	2088	5884	7972
		26.2%	73.8%	100.0%
	50 to 59	844	2763	3607
		23.4%	76.6%	100.0%
	60 to 69	158	780	938
		16.8%	83.2%	100.0%
	70 and Over	46	250	296
		15.5%	84.5%	100.0%
Total		9044	32100	41144
		22.0%	78.0%	100.0%

The following table shows the mean breath alcohol concentrations for males and females:

Mean Breath Alcohol By Gender

alc1

Gender	Mean	N	Std. Deviation
Female	.14230	6815	.054315
Male	.13959	24520	.054145
Total	.14018	31335	.054193

The following table shows the distribution of those arrested for DUI by race:

Frequency B y Racial Group

	Frequency	Percent	Valid Percent	Cumulative Percent
Asian	1145	2.8	2.8	2.8
Black	2191	5.3	5.3	8.1
East Indian	15	.0	.0	8.2
Hispanic	1399	3.4	3.4	11.6
Native American	1284	3.1	3.1	14.7
Pacific Island	46	.1	.1	14.8
Uknown	496	1.2	1.2	16.0
White	34522	84.0	84.0	100.0
Total	41098	100.0	100.0	

The following table shows the mean alcohol concentrations by racial category:

Mean Breath Alcohol by Racial Group

alc1

Racial Group	Mean	N	Std. Deviation
Asian	.12287	853	.045332
Black	.13089	1595	.051197
East Indian	.11933	9	.069161
Hispanic	.13988	1113	.050958
Native American	.15814	842	.058552
Pacific Island	.12378	40	.048153
Uknown	.13906	373	.056665
White	.14081	26435	.054378
Total	.14020	31260	.054214

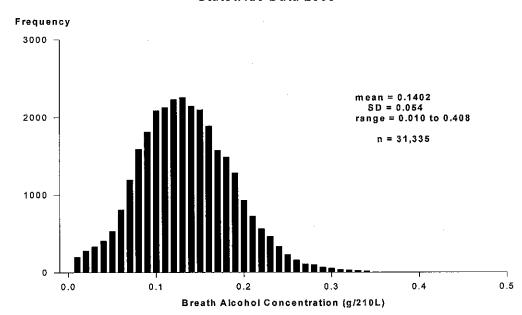
The following table shows the distribution of gender according to the different racial groups:

Race By Gender Crosstabulation

		Ger	der	
		Female	Male	Total
Race	Asian	259	886	1145
		22.6%	77.4%	100.0%
	Black	358	1833	2191
		16.3%	83.7%	100.0%
	East Indian	2	13	15
		13.3%	86.7%	100.0%
	Hispanic	88	1311	1399
		6.3%	93.7%	100.0%
	Native American	468	816	1284
		36.4%	63.6%	100.0%
	Pacific Island	10	36	46
		21.7%	78.3%	100.0%
	Uknown	40	456	496
		8.1%	91.9%	100.0%
	White	7816	26706	34522
		22.6%	77.4%	100.0%
Total		9041	32057	41098
		22.0%	78.0%	100.0%

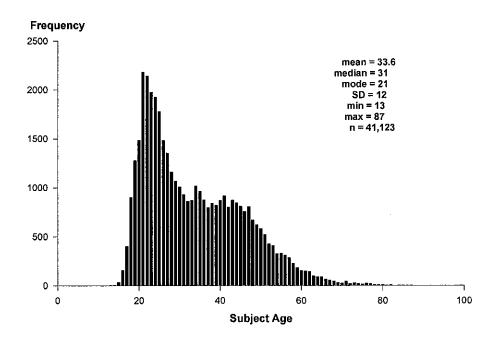
The following is the distribution of all breath alcohol results for all subjects arrested for DUI during 2005 who provided a breath sample. 85% of the subjects were 0.080 g/210L or greater.

Distribution of Breath Alcohol Concentration For The First Sample Statewide Data 2005

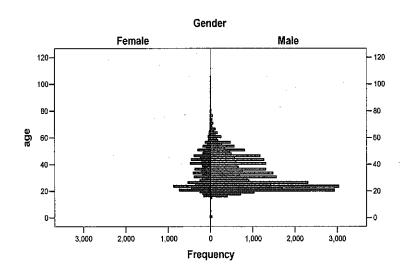


The following plot shows the distribution of subject age for statewide DUI arrests during 2005:





The following shows a population pyramid which compares the age distribution for females and males side by side. From this the two distributions can be better compared. We see for the males there are more subjects at the higher ages than for females. Also, there appears to be a larger proportion of males in the 20 to 30 year age group compared to the females. The large majority of males compared to females are clearly seen in comparing the two figures.



The following table shows the mean alcohol concentration for subjects arrested by the Washington State Patrol (WSP) compared to other agencies:

Mean Breath Alcohol By Agency

alc1

Agency	Mean	N	Std. Deviation
WSP	.13277	14571	.051143
Seattle PD	.15018	910	.056681
King County SO	.14850	841	.051641
Spokane PD	.16213	487	.054674
Tacoma PD	.16222	257	.062667
Other Agencies	.14547	14269	.055902
Total	.14018	31335	.054193

The following table shows the refusal rates by gender:

Gender By Test Refusal Rates

	·	Test Refusal Status			
		Refused Test	Refused Test Provided Sample		
Gender	Female	1261	7796	9057	
		13.9%	86.1%	100.0%	
	Male	5401	26742	32143	
		16.8%	83.2%	100.0%	
Total		6662	34538	41200	
		16.2%	83.8%	100.0%	

The following table shows the refusal rate for WSP compared to Other Agencies:

Agency By Refusal Rate

		Test R	efusal Status	· ·
		Refused Test	Provided Sample	Total
Agency	WSP	2523	15504	18027
		14.0%	86.0%	100.0%
	Seattle PD	198	1039	1237
		16.0%	84.0%	100.0%
1	King County SO	240	964	1204
		19.9%	80.1%	100.0%
	Spokane PD	181	522	703
		25.7%	74.3%	100.0%
	Tacoma PD	97	281	378
		25.7%	74.3%	100.0%
	Other Agencies	3423	16229	19652
		17.4%	82.6%	100.0%
Total	•	6662	34539	41201
		16.2%	83.8%	100.0%

The following table shows refusal rates by racial group:

Racial Group By Refusal Rates

		Test Re	efusal Status	
		Refused Test	Provided Sample	Total
Racial Group	Asian	159	986	1145
		13.9%	86.1%	100.0%
	Black	423	1768	2191
		19.3%	80.7%	100.0%
	East Indian	3	12	15
		20.0%	80.0%	100.0%
	Hispanic	205	1194	1399
		14.7%	85.3%	100.0%
	Native American	312	972	1284
		24.3%	75.7%	100.0%
	Pacific Island	5	41	46
		10.9%	89.1%	100.0%
	Uknown	81	415	496
		16.3%	83.7%	100.0%
	White	5455	29067	34522
		15.8%	84.2%	100.0%
Total		6643	34455	41098
		16.2%	83.8%	100.0%

The following table illustrates the breath test refusal rates by each of the Washington State Patrol Districts:

Breath Test Refusal Rates by WSP District

		Test Re	Test Refusal Status		
		Refused Test	Provided Sample	Total	
District	1.00	300	1964	2264	
		13.3%	86.7%	100.0%	
	2.00	469	2697	3166	
		14.8%	85.2%	100.0%	
	3.00	261	1398	1659	
		15.7%	84.3%	100.0%	
	4.00	267	1914	2181	
		12.2%	87.8%	100.0%	
	5.00	227	1486	1713	
		13.3%	86.7%	100.0%	
	6.00	114	903	1017	
		11.2%	88.8%	100.0%	
	7.00	494	2998	3492	
Ì		14.1%	85.9%	100.0%	
	8.00	379	2054	2433	
		15.6%	84.4%	100.0%	
Total		2511	15414	17925	
		14.0%	86.0%	100.0%	

The following table illustrates the mean breath alcohol concentration obtained in Washington State Patrol DUI arrests by District:

Mean Breath Alcohol Concentration by WSP District

alc1

District	Mean	N	Std. Deviation
1.00	.12989	1866	.051979
2.00	.12994	2567	.050174
3.00	.13174	1320	.052440
4.00	.13159	1830	.052628
5.00	.12512	1433	.060424
6.00	.12972	864	.055263
7.00	.13061	2895	.051461
8.00	.13628	1935	.055070
Total	.13079	14710	.053242

The following table illustrates the number and percent of Washington State Patrol DUI arrests coming from accident investigations within each District:

Percent of DUI Arrests Coming From Accidents by District

		Accident		
		No Accident	Accident	Total
District	1.00	1827	437	2264
		80.7%	19.3%	100.0%
	2.00	2626	540	3166
		82.9%	17.1%	100.0%
	3.00	1524	135	1659
		91.9%	8.1%	100.0%
	4.00	1997	184	2181
		91.6%	8.4%	100.0%
	5.00	1477	236	1713
		86.2%	13.8%	100.0%
	6.00	933	84	1017
		91.7%	8.3%	100.0%
	7.00	3130	362	3492
		89.6%	10.4%	100.0%
	8.00	2139	294	2433
		87.9%	12.1%	100.0%
Total		15653	2272	17925
		87.3%	12.7%	100.0%

The following table illustrates the number and percent of DUI arrests coming from accident investigations for different agencies within the state:

Percent of DUI Arrests Coming From Accidents For Different Agencies

	· · ·	Accident Status		
		No Accident	Accident	Total
Agency	WSP	15749	2278	18027
		87.4%	12.6%	100.0%
	Seattle PD	805	432	1237
		65.1%	34.9%	100.0%
	King County SO	906	298	1204
		75.2%	24.8%	100.0%
	Spokane PD	488	215	703
		69.4%	30.6%	100.0%
i	Tacoma PD	218	160	378
	·	57.7%	42.3%	100.0%
	Other Agencies	16173	3478	19651
		82.3%	1 7.7%	100.0%
Total		34339	6861	41200
		83.3%	16.7%	100.0%

Summarizing Figures:

- 2.8% of the first breath sample attempts results in "Invalid Sample"
- 20 (0.05%) of the first breath sample attempts resulted in "Interference Detected"
- 21.6% of the DUI arrests statewide were done in King County for 2005.

79% of the tests performed in 2005 had a generic code entered for the Liquor Board License Number (i.e., 9A000000). As a result, 21% had an actual Liquor Board License Number entered as the place where the subject was last drinking.

54% of the subjects were administered PBT tests.

The following shows the top twenty liquor licensed establishments which were identified most frequently in the breath test database:

Rank	Establishment	License Number	DUI Contacts
1	Frankies Sports Bar and Grill, Olympia	74156	84
2	Romeo Bar and Grill, Bremerton	351235	75
3	Lady Luck's Cowgril Up Steakhouse and Saloon, Tacoma	357687	66
4	Shotze's, Everett	77604	54
5	Muckelshoot Indian Casino, Auburn	79098	50
6	The Royal Inn, Bellingham	353649	49
7	Daverthumps Pub, Lynnwood	357903	49
8	Tulalip Casino, Marysville	85216	42
9	The End Zone, Port Orchard	360263	42
10	The Jungle, Richland	83448	40
11	Harborside Bar and Grill, Bremerton	86908	39
12	Bar Code, Olympia	8518 9	36
13	Trick Shot Dixie Outlaw Saloon and BBQ, Spokane	351438	36
14	The Shark, Kirkland	355289	36
15	Wayne's Inn, Puyallup	357372	36
16	The Corner Saloon, Lynnwood	351859	35
17	Mondo's Pub, Lynnwood	70094	33
18	Big E, Shelton	74489	33
19	Sports Keg Restaurant and Lounge, Burlington	351648	32
20	Horse and Cow Bar and Grill, Bremerton	353730	32

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Washington State Patrol 1/9/2006